

AMENDMENTS

In the Claims

The following is a marked-up version of the claims with the language that is underlined (“___”) being added and the language that contains strikethrough (“—”) being deleted:

1. (Cancelled)
2. (Currently Amended) The system of ~~claim 1~~, claim 30, wherein the contact information includes at least one of an email address, a name, a residential address, a business address, a company name, a business phone number, a home phone number a mobile phone number, and a fax number.
3. (Cancelled)
4. (Currently Amended) The system of ~~claim 3~~, claim 30, wherein the user database machine has a directory structure for associating a user with the ~~wireless~~ computing device.
5. (Currently Amended) The system of ~~claim 1~~, claim 30, wherein the ~~wireless~~ computing device comprises a storage device for storing the address book.
6. (Currently Amended) The system of ~~claim 1~~, claim 30, wherein the ~~wireless~~ computing device is a pager.

7. (Cancelled)
8. (Currently Amended) The system of ~~claim 7~~, claim 35, wherein the external network is the Internet.
9. (Currently Amended) The system of ~~claim 1~~, claim 30 wherein ~~the address book is at least one of~~ contact information and messaging data may be modified on the gateway communications system via the ~~wireless~~ computing device.
10. (Cancelled)
11. (Currently Amended) The method of ~~claim 10~~, claim 30, wherein the address book is may be modified via the Internet.
12. (Currently Amended) The method of ~~claim 10~~, claim 30, wherein the address book is may be modified via ~~the a~~ wireless device.
13. (Currently Amended) The method of ~~claim 10~~, claim 12, wherein modifying the address book includes at least one of changing the entry, deleting the entry, and adding the entry.
14. (Currently Amended) The method of ~~claim 10~~, claim 12, further comprising:
verifying a user's status before allowing the user to modify the address book.

15. (Cancelled)

16. (Currently Amended) The method of ~~claim 10~~, claim 12, wherein the wireless device is a pager.

17. (Currently Amended) The method of ~~claim 10~~, claim 30, wherein the contact information includes at least one of an email address, a name, a residential address, a business address, a company name, a business phone number, a home phone number, a mobile phone number, and a fax number.

18. – 29. (Cancelled)

30. (New) A communications system, comprising:
- at least one user database machine configured to receive and store contact information;
- and
- at least one message storage device configured to store messaging data; and
- wherein the communications system is further configured to serve as a gateway between the wireless network and the external network, and receive and store contact information between the wireless network and the external network, and
- wherein the communications system is configured to transmit data between the gateway and at least one computing device coupled to at least one of a wireless network and an external network.
31. (New) The communications system of claim 30, further comprising at least one protocol handler coupled to the at least one user database machine, the at least one protocol handler configured to process data stored in the at least one database machine.
32. (New) The communications system of claim 30, further comprising at least one router coupled to the at least one protocol handler, the at least one router configured to communicate with the at least one protocol handler.
33. (New) The communications system of claim 30, further comprising at least one internal network configured to facilitate data communication with the communications system.

34. (New) The communications system of claim 30, further comprising a wireless communication network coupled to the communications system, the communication network configured to transfer data between the communications system and at least one wireless device.

35. (New) The communications system of claim 30, further comprising an external network.

36. (New) The communications system of claim 30, wherein the computing device operates wirelessly.

37. (New) The communications system of claim 30, wherein the transmitting device is configured to utilize a wireless protocol to communicate contact information with a wireless device.

38. (New) The communications system of claim 30, further configured to determine at least one property of the at least one computing device, and adapt to communicate with the computing device.

39. (New) The communications system of claim 30, further configured to update the computing device in response to at least one of a predetermined amount of time, a user request, and a modification of the contact information.

40. (New) A method of maintaining an address book, comprising:
- receiving contact information from at least one external source;
 - storing contact information received from the at least one external source;
 - providing a gateway between a wireless network and an external network; and
 - transmitting data between the gateway and at least one computing device coupled to at least one of the wireless network and the external network.
41. (New) The method of claim 40, further comprising storing messaging information.
42. (New) The method of claim 40, further comprising converting data from a first protocol to a second protocol.
43. (New) The method of claim 42, wherein one of the first protocol and the second protocol is a wireless application protocol.
44. (New) The method of claim 40, wherein one of the first protocol and the second protocol is an internet communications protocol.
45. (New) The method of claim 40, further comprising performing content encoding.
46. (New) The method of claim 45, wherein performing content encoding comprises encoding wireless markup language into binary format.

47. (New) The method of claim 40, wherein transmitting comprises utilizing a wireless protocol to communicate contact information with a wireless device.

48. (New) The method of claim 40, further comprising determining at least one property of the at least one computing device and adapting to communicate with the computing device.

49. (New) The method of claim 40, further comprising updating the computing device in response to at least one of a predetermined time period, a user request, and a modification to the contact information.

50. (New) A computer readable medium for maintaining an address book, comprising:
first logic receiving contact information from at least one external source;
second logic storing contact information received from the at least external source;
third logic providing a gateway between a wireless network and an external network; and
fourth logic transmitting data between the gateway and at least one computing device coupled to at least one of the wireless network and the external network.

51. (New) The computer readable medium of claim 50, wherein the external network is the Internet.

52. (New) The computer readable medium of claim 50, wherein the computing device is a wireless computing device.

53. (New) The computer readable medium of claim 52, wherein the wireless device is a pager.

54. (New) The computer readable medium of claim 50, further comprising fifth logic verifying a user's status before allowing the user to modify the address book.

55. (New) The computer readable medium of claim 50, further comprising sixth logic for at least one of changing contact information, deleting contact and adding contact information.

56. (New) The computer readable medium of claim 50, further comprising seventh logic verifying a user's status.

57. (New) The computer readable medium of claim 50, wherein the contact information includes at least one of an email address, a name, a residential address, a business address, a company name, a business phone number, a home phone number, a mobile phone number, and a fax number.

58. (New) The computer readable medium of claim 50, further comprising eighth logic storing messaging information from the at least one computing device.

59. (New) The computer readable medium of claim 50, further comprising ninth logic converting data from a first protocol to a second protocol.

60. (New) The computer readable medium of claim 59, wherein one of the first protocol and the second protocol is a wireless application protocol.

61. (New) The computer readable medium of claim 59, wherein one of the first protocol and the second protocol is an Internet communications protocol.

62. (New) The computer readable medium of claim 50, further comprising tenth logic performing content encoding.

63. (New) The computer readable medium of claim 62, wherein performing content encoding comprises encoding wireless markup language into binary format.

64. (New) The computer readable medium of claim 50, further comprising eleventh logic utilizing a wireless protocol to communicate contact information with a wireless device.

65. (New) The computer readable medium of claim 50, further comprising twelfth logic determining at least one property of the at least one computing device coupled to at least one of the external network and the wireless network and adapting to communicate with the computing device.

66. (New) the computer readable medium of claim 50, further comprising thirteenth logic updating the computing device coupled to at least one of the external network and the wireless network in response to at least one of a predetermined time period, a user request and a modification to the contact information.